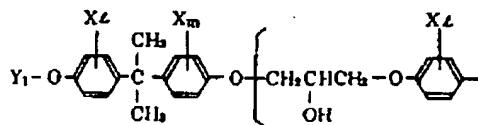


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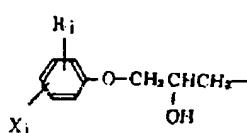
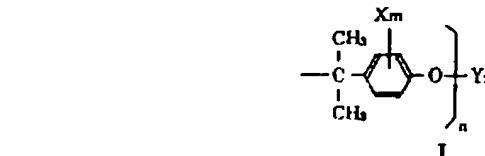
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TITLE : FLAME-RETARDING RESIN COMPOSITION



ABSTRACT : PURPOSE: To resin composition excellent in flame retardancy, impact resistance, flow, weathering resistance and heat resistance, prepared by mixing styrene resin with a specified flame-retarding agent and Sb₂O₃.

CONSTITUTION: 1 equivalent of a halogenated bisphenol A epoxy resin is reacted with 0.6~1 equivalent of a halogenated phenol (e.g., tribromophenol) at 100~230°C in the presence of 0.01~2wt%, based on said resins, basic catalyst (e.g., LiOH) to obtain a flame retardant (B) obtained by mixing 60~100mol% compound (a) and 40~0mol% compound (b) at a molar ratio of 6~1/4~0, said compound (a) being represented by formula I (wherein Y₁ if formula II, X is Br or Cl, R is a lower alkyl, i is 0~4, j is 1~5, i+j≤5, Y₂ is Y₁ or glycidyl, l and m are each 1~4, n is 1~30 on the average and Y₂ is Y₁), and said compound (b) being represented by formula I (wherein Y₂ is a glycidyl group). 100pts.wt. styrene resin 9A (e.g, PS) is mixed with 3~40pts.wt. component B and 2~10pts.wt. Sb₂O₃. If necessary, an UV absorber, a plasticizer, a coloarnt, etc., are added to the obtained mixture.

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